Name:

p1103: Expand Product of Linear Binomials (v28)

Question 1

Expand the product of linear binomials. $(x+1)(x-1)$

$$x^2 - x + x - 1$$

$$x^2 - 1$$

Question 2

Expand the product of linear binomials. $(x+9)(x-9)$

$$x^2 - 9x + 9x - 81$$

$$x^2 - 81$$

Question 3

Expand the product of linear binomials. $(x+8)(x-3)$

$$x^2 - 3x + 8x - 24$$

$$x^2 + 5x - 24$$

Question 4

Expand the product of linear binomials. $(-3x-9)(-3x+7)$

$$9x^2 - 21x + 27x - 63$$

$$9x^2 + 6x - 63$$

Question 5

Expand the product of linear binomials. $(-6x+7)(8x+2)$

$$-48x^2 - 12x + 56x + 14$$

$$-48x^2 + 44x + 14$$

Question 6

Expand the product of linear binomials. $(x-9)(x+6)$

$$x^2+6x-9x-54$$

$$x^2-3x-54$$

Question 7

Expand the product of linear binomials. $(-5x-5)(7x-1)$

$$-35x^2+5x-35x+5$$

$$-35x^2-30x+5$$

Question 8

Expand the product of linear binomials. $(x+6)(x+8)$

$$x^2+8x+6x+48$$

$$x^2+14x+48$$

Question 9

Expand the product of linear binomials. $(5x+3)(8x+8)$

$$40x^2+40x+24x+24$$

$$40x^2+64x+24$$

Question 10

Expand the product of linear binomials. $(-3x-5)(8x-6)$

$$-24x^2+18x-40x+30$$

$$-24x^2-22x+30$$